

AMENDMENTS TO THE CLAIMS

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. - 14. (Canceled)
15. (Withdrawn) A glove comprising:

a polymer glove body including a reinforced body portion including opposed polymer layers bounded by a seam to form an interspatial pocket therebetween and including a resistant infrastructure interposed in the interspatial pocket between the opposed polymer layers.
16. (Withdrawn) The glove of claim 15 wherein the resistant infrastructure includes a plurality of spaced rigid guard plates interposed in the interspatial pocket between the opposed polymer layers.
17. (Withdrawn) The glove of claim 16 wherein the rigid guard plates are formed of a curable resin or epoxy.
18. (Withdrawn) The glove of claim 15 wherein the opposed polymer layers are formed of polyurethane material.
19. (Withdrawn) The glove of claim 15 wherein the polymer glove body includes a non-reinforced portion and the non-reinforced portion includes laminated polymer layers
20. (Withdrawn) The glove of claim 16 wherein the plurality of rigid guard plates are formed on a substrate.

21. (Withdrawn) The glove of claim 20 wherein the substrate is one of the opposed polymer layers.
22. (Withdrawn) The glove of claim 20 wherein the substrate is a substrate layer interposed in the interspatial pocket between the opposed polymer layers.
23. (Withdrawn) The glove of claim 15 including a plurality of penetration resistant infrastructures in the interspatial pocket between the opposed polymer layers having a higher penetration resistance than the opposed polymer layers.
24. (Withdrawn) A material comprising:
 - a plurality of spaced guard plates formed on a substrate having a void space between adjacent guard plates and the plurality of spaced guard plates formed of a hard curable material; and
 - a-glass particle layer formed on the hard curable material.
25. (Withdrawn) A method of fabricating a material comprising steps of:
 - depositing a curable hard layer on a substrate;
 - coating a first surface of the curable hard layer with glass particles or beads; and
 - directing a radiation source at a second surface of the curable hard layer to cure the curable hard layer having the glass particles or beads thereon..
26. (Withdrawn) A method of fabricating a glove comprising steps of:
 - fabricating a flexible penetration resistant infrastructure; interposing the penetration resistant infrastructure between opposed polymer layers; and
 - forming a glove body including an interspatial pocket between the opposed polymer layers having the penetration resistant infrastructure disposed therein.

27. (Withdrawn) The method of claim 26 wherein the step of forming

the glove body includes the step of:

cutting the polymer layers of glove body and heat sealing an edge portion of the polymer layers to form the glove body having a body cavity.

28. (Withdrawn) The method of claim 27 wherein the step of forming the glove body includes the step;

laminating portions of the opposed polymer layers to form the interspatial pocket therebetween.

29. (Withdrawn) The method of claim 26 wherein the penetration resistant infrastructure includes a guard -plate array and further comprising the steps of:

printing an array of curable guard plates on a substrate; and curing the printed array of guard plates.

30. - 36. (Canceled)

37. (NEW) A cut resistant glove, including:

a first thermoplastic polymer hand-shaped layer;

a cut resistant infrastructure element attached to one or more portions of the first

hand-shaped layer, each infrastructure element including:

a thermoplastic polymer substrate;

an array of small, regularly-spaced, generally uniform thickness, non-overlapping, hard, convex polygon-shaped, printed polymer material plates separated by gap sections, the plates arranged in a predetermined pattern free from extended-length straight gap sections and having an area parallel to the polymer substrate with major and minor dimensions on a surface of the substrate, the major dimension to minor dimension aspect ratio between about 3 and 1, and wherein widths of the gaps

between adjacent plates are substantially less than the lengths of the minor dimensions, a thickness of the plates is substantially less than the length of the minor dimensions, and the overall cut resistance of the infrastructure element is substantially greater than a cut resistance of the polymer substrate; and

a heat seal seam between the polymer substrate and the first hand-shaped layer to attach the infrastructure element to the first hand-shaped layer with the plates facing the first hand-shaped layer;

a second thermoplastic polymer hand-shaped layer; and

a heat seal seam between the first and second hand-shaped layers to attach the first and second hand-shaped layers, the first and second layers forming a hand-shaped cavity.

38. (NEW) The glove of claim 37 wherein the first and second hand-shaped layers are elastomeric polymer.

39. (NEW) The glove of claim 37 wherein the plates of the infrastructure elements include curable polymer.

40. (NEW) The glove of claim 37 and further including a void space between the plates of the infrastructure elements and the first hand-shaped layer.

41. (NEW) The glove of claim 37 wherein the plates of the infrastructure have a minor dimension length of about 80 mils and the gaps between the plates are about 10 mils.

42. (NEW) The glove of claim 37 wherein the infrastructure elements are located on substantially all of the first hand-shaped layer.

43. (NEW) The glove of claim 37 wherein the infrastructure elements are located on only portions of the first hand-shaped layer.